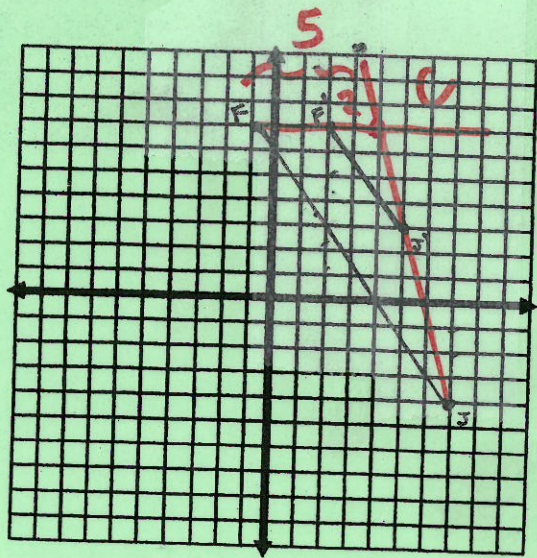


#7 Determine the center of dilation and the scale factor.



The center is $C(4, 7)$ and $k = \frac{CF'}{CF} = \frac{2}{5}$.